

2000-25128

Ref. **COMBINED DECLARATION AND POWER OF ATTORNEY**

As a below named inventor, I hereby declare that

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

RADIO COMMUNICATION SYSTEM

the specification of which: *(check one)*

REGULAR OR DESIGN APPLICATION

- ☒ is attached hereto.
- ☐ was filed on _____ as application Serial No. _____ and was amended on _____ (if applicable).

PCT FILED APPLICATION ENTERING NATIONAL STAGE

- ☐ was described and claimed in International application No. _____ filed on _____ and as amended on _____ (if any).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

PRIORITY CLAIM

I hereby claim foreign priority benefits under 35 USC 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

PRIOR FOREIGN APPLICATION(S)

Country	Application Number	Date of Filing (day, month, year)	Priority Claimed
Japan	25128/2000	2/2/2000	yes

(Complete this part only if this is a continuing application.)

I hereby claim the benefit under 35 USC 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 USC 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37 Code of Federal Regulations §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.)

(Filing Date)

(Status--patented, pending, abandoned)

POWER OF ATTORNEY


The undersigned hereby authorizes the U.S. attorney or agent named herein to accept and follow instructions from _____ as to any action to be taken in the Patent and Trademark Office regarding this application without direct communication between the U.S. attorney or agent and the undersigned. In the event of a change in the persons from whom instructions may be taken, the U.S. attorney or agent named herein will be so notified by the undersigned.

As a named inventor, I hereby appoint the following attorney(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: **Robert J. PATCH, Reg. No. 17,355, Andrew J. PATCH, Reg. No. 32,925, Robert F. HARGEST, Reg. No. 25,590, Benoit CASTEL, Reg. No. 35,041, Eric JENSEN, Reg. No. 37,855, and Thomas W. PERKINS, Reg. No. 33,027, c/o YOUNG & THOMPSON, Second Floor, 745 South 23rd Street, Arlington, Virginia 22202.**

Address all telephone calls to Young & Thompson at 703/521-2297.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor: JUNICHI KOSUGI
(given name, family name)

Inventor's signature Junichi Kosugi  Date January 31, 2001

Residence: Saitama, Japan Citizenship: Japanese

Post Office Address: c/o NEC Saitama, Ltd., 300-18, Aza Toyohara, Oaza Motoshara,
Kamikawamachi, Kodama-gun, Saitama, Japan

Full name of second joint inventor, if any:
(given name, family name)

Inventor's signature _____ Date _____

Residence: _____ Citizenship: _____

Post Office Address: _____

Full name of third joint inventor, if any:
(given name, family name)

Inventor's signature _____ Date _____

Residence: _____ Citizenship: _____

Post Office Address: _____

RADIO COMMUNICATION SYSTEM

BACKGROUND OF THE INVENTION

The present invention relates to a radio communication system for radio communication which comprises a base station and a mobile terminal, and is based on a CDMA system.

An IS-95A system and an IS-95B system are well-known as such a radio communication system. In the IS-95A system, a radio line which a mobile terminal uses for communication is called a traffic channel. In the CDMA method, necessary qualities of communication through communication channels must be at the lowest level so as to assure a line capacity. For this purpose, a fast power control is requested for, in particular, a reverse line. In the IS-95A system, in order to assure the line capacity, a power control signal "power control bit" is inserted to a forward traffic channel to receive signals from all mobile terminals at a base station with the same quality, thereby controlling transmission powers of the mobile terminals.

If the signal received by one base station has an insufficient-quality signal, the base station inserts "0" to the forward traffic channel as the power control bit and transmits it. If the signal received by one base station has an excessive-quality signal, the base station inserts "1" to the forward traffic channel as the power control bit and transmits it. When the power control bit "0" is received, the mobile terminal increases the transmission power. When the power control bit "1" is received, the mobile terminal decreases the transmission power. In the IS-95A system, because a maximum value of the transmission

INVENTOR INFORMATION

Inventor One Given Name:: JUNICHI
Family Name:: KOSUGI
Postal Address Line One:: C/O NEC SAITAMA, LTD., 300-18
Postal Address Line Two:: AZA TOYOHARA, OAZA MOTOHARA
Postal Address Line Three:: KAMIKAWAMACHI, KODAMA-GUN
City:: SAITAMA
Country:: JAPAN
City Of Residence:: SAITAMA
Country Of Residence:: JAPAN
Citizenship Country:: JAPAN

CORRESPONDENCE INFORMATION

Correspondence Customer Number:: 000466
Name Line One:: YOUNG & THOMPSON
Address Line One:: 745 SOUTH 23RD STREET
Address Line Two:: SECOND FLOOR
City:: ARLINGTON
State or Province:: VIRGINIA
Country:: U.S.A.
Postal or Zip Code:: 22202
Telephone:: 703-521-2297
Fax One:: 703-685-0573
Fax Two:: 703-979-4709

APPLICATION INFORMATION

Title Line One:: RADIO COMMUNICATION SYSTEM
Total Drawing Sheets:: 8
Formal Drawings?:: Yes
Application Type:: UTILITY
Docket Number:: WN-2300

REPRESENTATIVE INFORMATION

Representative Customer Number:: 000466

PRIOR FOREIGN APPLICATION

Foreign Application One:: 25128/2000
Filing Date:: FEBRUARY 2, 2000
Country:: JAPAN
Priority Claimed:: Yes